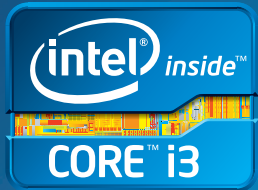
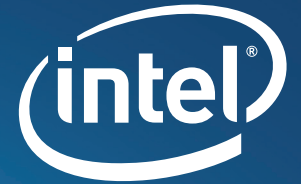


The Shape that Fits the Future

DC3217BY



PRODUCT BRIEF

Introducing Intel's NUC
Kit DC3217BY

THINK YOU KNOW WHAT SMALL CAN DO? THINK AGAIN.

It's one thing to power your digital display and transfer video blazingly fast. It's another to do all that and more with a miniscule, intelligent powerhouse of a computing device. Which is why we invented the Intel® NUC. At a diminutive 4"×4"×2" form factor and equipped with the Third Generation Intel® Core™ i3 processor, the DC3217BY delivers stunning visuals and responsive performance from a pocket-sized solution. What's even more amazing, is that such a small device can offer so much power in an expandable, customizable package. Dramatically increase data transfer rates and transform device interconnectivity with Thunderbolt™ technology. Get a difference in performance you can truly see and feel.

SUPERIOR PROCESSING AND GRAPHICS

Visibly smart graphics using the 3rd generation Intel® Core™ i3-3217U processor deliver amazing performance and visually stunning graphics.



STUNNINGLY SMALL FORM FACTOR

The 4"×4"×2" form factor unlocks a world of potential design applications, from digital signage and kiosks to portable innovations.

ADVANCED TECHNOLOGY

The DC3217BY features Intel's Thunderbolt™ technology transforming device interconnectivity, dramatically increasing transfer performance with bi-directional 10Gbps speed, and offers daisy chaining to multiple devices, two SO-DIMM sockets for expandability upto 16 GB of memory, two PCIe* mini-card connectors for flexible support of wireless and SSD configurations, BIOS vault technology, fast boot and Intel® Visual BIOS.

Integrated Board	• D33217CK
Dimensions	• 116.6mm×112.0mm×39.0mm (4.59"×4.41"×1.55")
Cooling	• Active
Drive options	• mSATA
Color options	• Maroon only
Chassis design	• Aluminum and Plastic
Power Supply	• 19V, 65W DC-DC power adapter included
Additional Features	<ul style="list-style-type: none">• Antenna for WIFI and Bluetooth pre-assembled for ease of deployment• Front Panel USB 2.0• VESA mounting bracket included• Product Guide



Full PC functionality in its simplest form

Intel® Thunderbolt port for extreme connectivity and transfer rates

HDMI port supporting
HDMI 1.4a for best in class display

Dual USB 2.0 Ports

19V, 65W DC
Power connector



Dual Mini PCIe slots
for expandability

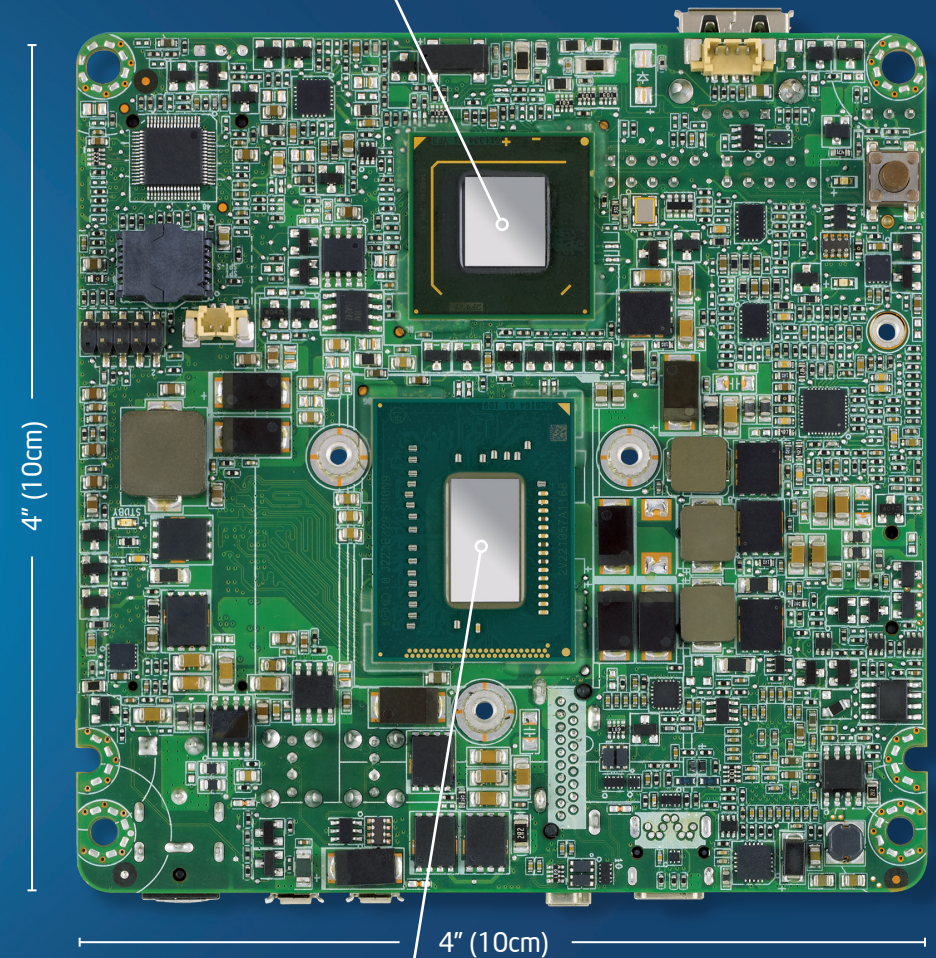
Front Panel USB 2.0 Port



Dual SO-DIMM sockets
for memory expandability upto 16 GB

...with Intel® NUC D33217CK

Intel® QS77 Express chipset

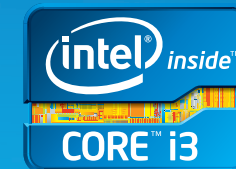


Intel® Core™ i3-3217U processor



Intel® NUC Kit DC3217BY

Technical Specifications



PROCESSOR

Processor Support

- Intel® Core™ i3 3217U Processor (1.8 GHz, Dual Core processor with 3 MB smart cache)
- Supports Intel® 64 architecture³

CHIPSET

- Intel® Q577 Express Chipset

GRAPHICS

- Intel® HD Graphics 4000
- HDMI Port supporting HDMI 1.4a standard
- Thunderbolt port supporting display port capability

PERIPHERAL CONNECTIVITY

- Three Hi-Speed USB 2.0 ports (two back panel ports and one front panel port)

EXPANSION CAPABILITIES²

- One full length mini-PCIe slot supporting mSATA capability
- One half length mini-PCIe slot with dual USB 2.0 ports routed

SYSTEM BIOS

- Intel® Visual Bios
- 64 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play
- Advanced configuration and power interface V3.0b, SMBIOS2.5
- Intel® Express BIOS update support

Fast Boot BIOS - Optimized POST for almost instant-on access to PC from power on

SYSTEM MEMORY¹

Memory Capacity

- Dual-channel DDR3 with two connectors for 1333/1600 MHz memory support (16 GB max)

Memory Voltage

- 1.5V and 1.35V

HARDWARE MANAGEMENT FEATURES

- Processor fan speed control
- Voltage and temperature sensing
- Fan sensor inputs used to monitor fan activity
- ACPI-compliant power management control

THUNDERBOLT CONNECTOR

- 10 Gb/s bi-directional and dual protocol for data and display

AUDIO

- Intel® High Definition Audio (Intel HD Audio) via one HDMI 1.4a output and/or via one ThunderBolt connector (DisplayPort 1.1a) supporting 8-channel (7.1) digital audio

INDICATORS AND CONTROLS

- HDD LED, Power LED
- Power on/off

MECHANICAL

Chassis Size

- 4.59"×4.41"×1.55" (116.6mm×112.0mm×39.0mm)

Board Size

- 4"×4" (101.6mm×101.6mm)

Baseboard Power Requirements

- DC Power 19V, 65 Watt

ENVIRONMENT

Operating Temperature

- 0°C to +50°C

Storage Temperature

- 20°C to +70°C

COMPLIANCE WITH REGULATIONS AND STANDARDS

Safety Regulations

- UL/CSA 60950-1
- EN 60950-1
- IEC 60950-1
- NOM-019-SCFI-1998
- GOST-R

EMC Class B Regulations

- CISPR 22
- CISPR 24
- FCC 47 CFR Part 15, Subpart B
- ICES-003
- EN 55022
- EN 55024
- EN 61000-3-2
- EN 61000-3-3
- IEC/EN 61000-4 Series
- VCCI V-3
- KN-22
- KN-24
- CNS 13438

ENVIRONMENTAL COMPLIANCE

- Europe RoHS
- China RoHS

¹ WARNING: Altering PC memory frequency, voltage and/or latency may: (i) reduce system stability and useful life of the system, memory and processor; (ii) cause the processor and other system components to fail; (iii) cause reductions in system performance; (iv) cause additional heat or other damage; and (v) affect system data integrity. Intel has not tested, and does not warrant, the operation of the memory beyond its specifications. Intel assumes no responsibility that the memory, including if used with altered clock frequencies and/or voltages, will be fit for any particular purpose. Check with memory manufacturer for warranty and additional details.

² System resources and hardware (such as PCI and PCI Express*) require physical memory address locations that can reduce available addressable system memory. This could result in a reduction of as much as 1 GB or more of physical addressable memory being available to the operating system and applications, depending on the system configuration and operating system.

³ 64-bit computing on Intel® architecture requires a computer system with a processor, chipset, BIOS, operating system, device drivers, and applications enabled for Intel® 64 architecture. Processors will not operate (including 32-bit operation) without an Intel 64 architecture-enabled BIOS. Performance will vary depending on your hardware and software configurations. See <http://developer.intel.com/technology/intel64/index.htm> for more information.

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL® PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER, AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT, OR OTHER INTELLECTUAL PROPERTY RIGHT.

Intel products are not intended for use in medical, life-saving, or life-sustaining applications. Intel may make changes to specifications and product descriptions at any time, without notice.

All products, dates, and figures specified are preliminary based on current expectations, and are subject to change without notice. Availability in different channels may vary.

Actual Intel® NUC may differ from the image shown.

Requires an Intel® WiDi enabled system and Intel WiDi enabled receiver device. 1080p and Blu-ray* or other protected content playback only available on 2nd or 3rd gen Intel® Core™ processor-based PCs with built-in visuals enabled, a compatible receiver device and media player, and supporting Intel WiDi software and graphics driver installed. Consult your PC manufacturer. For more information, see www.intel.com/go/widi.

Intel, the Intel logo, Intel Core, Pentium, and Celeron are trademarks of Intel Corporation in the U.S. and other countries.

* Other names and brands may be claimed as the property of others.

Copyright© 2013 Intel Corporation. All rights reserved.

1113/JMD/HBD/PDF 327983-002US

